

### ABSTRACT

Whether a microphone is connected to a real-time audio communication system of a computer may be detected by recording an audio sample through the real-time audio communication system, filtering a DC component is filtered out of the audio data, recognizing a pattern in the auto-correlation coefficients of the filtered audio sample, and determining whether a microphone is properly connected to the real-time audio communication system based on the values of the auto-correlation function coefficients and the predetermined values.

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